

DECLARATION FOR PATENT APPLICATION, POWER OF TORNEY & DESIGNATION OF CORRESPONDENCE ADDRESS

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Endplate Detection in Digital Radiograph by Dynamic Programming Using Both Local and Global Constraints

	alla diobal o site
the sp	pecification of which (check one)
	is attached hereto, and was filed on 12.10.2001 as Application Serial No. 10/016,096.
	itanti I

I hereby state that I have reviewed and understand the contents of the above-identified specification including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56(a).

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

I hereby claim foreign priority benefits under 35 USC §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Linking(a)	Priority	Claimed
Prior Foreign Application(s) Country Filing Date	Yes	No
Number Country Filing Date		

Serial No. 10/016,096 Atty. Dkt. 2001P18253 US01

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (35 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

F	
Provisional Application Number	Filing Date
	10.01.2001
60/326,358	

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefits under 35 USC §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

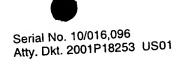
9		at to a
Appl. No.	Filing Date	Patented, Pending, Abandoned

<u>Power of Attorney</u>: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Adel A. Ahmed, Reg. No. 29,606; I. Marc Asperas, Reg. No. 37,274; Stanton C. Braden, Reg. No. 32,556; Terrence M. Brennan, Reg. No. 42,360; Alexander J. Burke, Reg. No. 40,425; David D. Chung, Reg. No. 38,409; Dexter K. Chin, Reg. No. 38,842; Joseph S. Codispoti, Reg. No. 31,819; Henry J. Groth, Reg. No. 39,696; Tracy Lynn Hurt, Reg. No. 34,188; Mark H. Jay, No. 27,507; Brian K. Johnson, Reg. No. 46,808; Stuart P. Kaler, Reg. No. 35,913; Bosco Reg. No. 41,896; Rosa S. Kim, Reg. No. 39,728; Peter A. Luccarelli, Jr., Reg. No. B. Kim, Reg. No. 41,896; Rosa S. Kim, Reg. No. 39,728; Peter A. Luccarelli, Jr., Reg. No. 29,750; James M. Markarian, Reg. No. 31,277; Jeffrey P. Morris, Reg. No. 25,307; Pasquale 29,750; James M. Markarian, Reg. No. 31,277; Jeffrey P. Morris, Reg. No. 25,307; Pasquale 29,750; James M. Markarian, Reg. No. 31,277; Jeffrey P. Morris, Reg. No. 25,307; Pasquale 29,750; James M. Markarian, Reg. No. 33,753; Rashmi Raj, Reg. No. P-50,500; Benjamin M. 42,944; Donald B. Paschburg, Reg. No. 33,753; Rashmi Raj, Reg. No. P-50,500; Benjamin M. 42,944; Donald B. Paschburg, Reg. No. 33,753; Rashmi Raj, Reg. No. P-50,500; Benjamin M. 42,944; Donald B. Paschburg, Reg. No. 35,363; Daniel J. Staudt, Reg. No. 34,733; Rubin, Reg. No. 44,310; Laura M. Slenzak, Reg. No. 35,363; Daniel J. Staudt, Reg. No. 34,733; Rubin, Reg. No. 44,486

Send Correspondence to:

Elsa Keller Intellectual Property Department Siemens Corporation 186 Wood Avenue South Iselin, New Jersey 08830 Tel. No. (732) 321-3026



I hereby declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under 18 USC §1001 and that such willful made are punishable by fine or imprisonment, or both under 18 USC §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

disc statement
Full Name of First inventor: Guo-Qing Wei Date: 4/5/02
Inventor's Signature
Residence: Plainsboro, NJ
Citizenship: P.R. of China
Post Office Address: 94 Elsie Drive, Plainsboro, NJ 08536
FOST OTHOG VI
Full Name of Second Inventor:
Jianzhong Qian Date: 4/5/2007
Inventor's Signature
Residence: Princeton, NJ
Citizenship: USA
- + I OL Dringgion IVII UOUSU
Post Office Address: 3 Oxford Ct., Princeton, No Sec.
Full Name of Third Inventor:
Helmuth Schramm Date:
Inventor's Signature
Residence: Neunkirchen, Germany
Post Office Address: Muldenweg 8, Neunkirchen 91077, Germany
1 000 0



DECLARATION FOR PATENT APPLICATION, POWER OF ATTORNEY & DESIGNATION OF CORRESPONDENCE ADDRESS

As below named inventor, I hereby declare that:

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is attached hereto, and X was filed on 12.10.2001 as Application Serial No. 10/016,096.
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PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

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Number Country Filing Date		

Serial No. 10/016,096 Atty. Dkt. 2001P18253 US01

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provisional application (6)	
Provisional Application Number	Filing Date
	10.01.2001
60/326,358	

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filling date of the al	- P	
Appl. No.	Filing Date	Patented, Pending, Abandoned

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Send Correspondence to:

Elsa Keller Intellectual Property Department Siemens Corporation 186 Wood Avenue South Iselin, New Jersey 08830 Tel. No. (732) 321-3026

Serial No. 10/016,096 Atty. Dkt. 2001P18253 US01

I hereby declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under 18 USC §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First inventor:
Guo-Qing Wei Date:
Inventor's Signature
Residence: Plainsboro, NJ
Citizenship: P.R. of China
Post Office Address: 94 Elsie Drive, Plainsboro, NJ 08536
Full Name of Second Inventor:
Jianzhong Qian Date:
Inventor's Signature
Residence: Princeton, NJ
Citizenship: USA
Post Office Address: 3 Oxford Ct., Princeton, NJ 08550
and the same
Full Name of Third Inventor:
Inventor's Signature Muliuff folgotte Date: 04-03-2002
mivorine.
Residence: Neunkirchen, Germany
Citizenship: Germany
Post Office Address: Muldenweg 8, Neunkirchen 91077, Germany





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ELSA KELLER

SIEMENS CORPORATION

ISELIN, NJ 08830

186 WOOD AVENUE SOUTH

INTELLECTUAL PROPERTY DEPARTMENT

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Under Secretary Longing For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/18/2002

REEL/FRAME: 012832/0571

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

QIAN, JIANZHONG

DOC DATE: 04/05/2002

ASSIGNOR:

WEI, GUO-QING

DOC DATE: 04/05/2002

ASSIGNEE:

SIEMENS CORPORATE RESEARCH, INC. 755 COLLEGE ROAD EAST PRINCETON, NEW JERSEY 08540

SERIAL NUMBER: 10016096

PATENT NUMBER:

FILING DATE: 01/21/2000

ISSUE DATE:

TONYA LEE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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M PTO-1595 7. 6-93) 3 No. 0651-0011 (exp.	APR 1 8 2007 (2)	RE P
To the Hon	norable Commissioner of P	atents

04-30-2002



EET U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

APR 1 8 2002 8 P	Atty Dkt No.: 2001P18253US01
7. 6-93) 3 No. 0651-0011 (exp. 1394)	J/2004
To the Honorable Commissioner of Patents and Trademarks: P Name of conveying party(ies): Inzhong Qian Do-Qing Wei Iditional name(s) of conveying party(ies) attached?YesX_ No Nature of conveyance: X_ Assignment Merger Security Agreement Change of Name Other	lease record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) Name: Siemens Corporate Research, Inc. Internal Address:
xecution Date: April 5, 2002	
 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Elsa Keller</u> 	B. Patent No.(s) ched?Yes _X_No 6. Total number of applications and patents involved: _1 7. Total Fee (37 CFR 3.41)\$40.00 Enclosed
Internal Address: Siemens Corporation Intellectual Property Department Street Address: 186 Wood Avenue South	X Authorized to be charged to deposit account 8. Deposit Account No.
City: Iselin State: NJ ZIP: 08830	SE THIS SPACE
Statement and signature To the best of my knowledge and belief, the foregoing information copy of the original document.	on is true and correct and any attached copy is a true Rosellurg
TOTAL HUMBOS OF PAGES	

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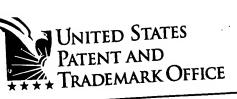
10016096

40.00 CH 01 FC:581

Docker No.: 2001P18253 US01 Page 2

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

	Jianzhong Qian
Before the this and who is d	
State of New Jeesey): ss	Guo-Qing Wei
State of New Lesex): ss County of Modesex Before me this 5 1/h day of April me personally known to be the person who is and acknowledged to me that he executed the forth. [Seal]	



SIEMENS CORPORATION

186 WOOD AVENUE SOUTH

INTELLECTUAL PROPERTY DEPARTMENT



JUNE 27, 2002

ELSA KELLER

PTAS

INTELLECTUAL PROPERTY

JUL 0 2 2002

Chief Information Officer Washington, DC 20231 www.uspto.gov

DEPARTMENT



ISELIN, NJ 08830 UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 04/18/2002

REEL/FRAME: 012832/0786

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SCHRAMM, HELMUTH

DOC DATE: 04/03/2002

ASSIGNEE:

SIEMENS AKTIENGESELLSCHAFT BERLIN AND MUNICH, FED REP GERMANY

SERIAL NUMBER: 10016096

PATENT NUMBER:

FILING DATE: 01/21/2000

ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

- 1	
PRM PTO-1595 ev. 6-93) MB No. 0651-0011 (exp. 490EMARK) To the Honorable Commissioner	RE P
To the Honorable Commissioner	of Patents

04-30-2002



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ET U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office Atty Dkt No.: 2001P18253US01

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ev. 6-93) MB No. 0651-0011 (exp. 1990 FMARK of Patents and Trademarks. To the Honorable Commissioner of Patents and Trademarks.	072685 riginal documents or copy thereof.
	2. Name and address of receiving party(ies)
Name of conveying party(ies):	Name: Siemens Aktiengesellschaft
elmuth Schramm	Internal Address:
dditional name(s) of conveying party(ies) attached?Yes _X_ No	
11 12111	Street Address:
4.18.02	
	City: <u>Berlin and Munich</u> State:ZIP: Fed. Republic of Germany
3. Nature of conveyance:	Additional name(s) & address(es) attached? X Yes No
Morgor	
X Assignment —	
Security Agreement	
Other	
Execution Date: April 3, 2002	
4. Application number(s) or patent number(s):	be execution date of the application is:
 Application number(s) or patent number(s): If this document is being filed together with a new application, the state of t	B. Patent No.(s)
A. Patent Application No.(s)	B. Palent No.(5)
10/016,096 Additional numbers a	attach <u>ed? Yes X No</u>
	6. Total number of applications and patents involved: _1
5. Name and address of party to whom correspondence	6. Total number of applications and parameters
concerning document should be mailed.	7. Total Fee (37 CFR 3.41)
Name: Elsa Keller	Enclosed
Internal Address:	X Authorized to be charged to deposit account
Siemens Corporation	<u></u>
Intellectual Property Department	8. Deposit Account No.
Street Address: 186 Wood Avenue South	19-2179
City: Iselin State: NJ ZIP: 08830	
70.00	USE THIS SPACE
04/30/2002 810H11 **********************************	002 11.110 2.112.12
9. Statement and signature	tion in true and correct and any attached copy is a true
To the hest of my knowledge and belief, the longs and	ation is true and contest and any annual and any
copy of the original document.	Pasellurg April 11, 2002
Donald B. Paschburg, Reg. No. 33,753 Name of Person Signing Signature	Date
Total number of pages including cover sheet, attachments,	, and document:3
Total notices of pro-	

IDNR: 7068 / V: 01.05.16 / B: ROW

ASSIGNMENT

For good and valuable consideration, I, Helmuth Schramm, residing at Muldenweg 8, Neunkirchen 91077, citizen of Germany; hereafter individually or collectively referred to as "Assignor";

Hereby sell, assign, and transfer to Siemens Aktiengesellschaft, a Corporation, organized and existing under the German law, having its principal place of business at Wittelsbacherplatz 2, 80333 Munich, Germany,

on 12.10.2001,

U.S. Serial No.: 10/016,096,

entitled:

ه په در په

Endplate Detection in Digital Radiograph by Dynamic Programming Using Both Local and Global Constraints

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Docket No.: 2001P18253 US01 Page 2

04-03-2002 Date

<u>04-03-2002</u> Date

Witness